FRONT

PICTURE 1

September 25, 1990

This pamphlet contains a Symptom-to-FRU Index and a parts listing for the
IBM Personal System/2 2.3GB Full High SCSI Tape Drive. It also contains
procedures for isolating problems to a FRU.

This pamphlet is intended to be used with the IBM Personal System/2
Hardware Maintenance Reference manual (part number 15F2190) and the IBM
Personal System/2 *Hardware Maintenance Service* manual (part number
15F2200).

Part Number 84F9803
Form Number S84F-9803-00

FRONT_1 Safety Information

Refer to the *Hardware Maintenance Service General Information* pamphlet for
the following information:
    General Safety
    Electrical Safety
    Safety Inspection Guide.

First Edition (September 1990)

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1.0 General Checkout

IMPORTANT:
You have entered this pamphlet because you have a POST error code that
is not listed in the system service pamphlet, or you suspect a tape
drive has failed.
If more than one error code is displayed, diagnose the first error
first. The cause of the first error can cause false errors to be
displayed.
If there is more than one tape drive installed, refer to the
Symptom-To-FRU Index in the system *Hardware Maintenance Service*
pamphlet. Use the POST error code to determine which tape drive
failed.

```
+---+
¦001¦
+---+
```
- Power-off the system and all external devices.
- Check all cables and power cords.
- Power-on all external devices.
- Install the tape drive option diskette in drive A.
- Power-on the system.
- Watch the screen for a POST error code. Press the pause key (while the
  code is being displayed) to hold it on the screen. Write down any error
  codes displayed.

DID YOU RECEIVE A 0211XXXX POST ERROR CODE?
Yes No
```
 ¦    ¦
 ¦    +---+
 ¦    ¦002¦
 ¦    +---+
 ¦    Follow the instructions on the screen to run the diagnostic tests,
 ¦    then go to Step 004.
 ¦
+---+
¦003¦
+---+
```
Go to "Symptom-to-FRU Index" in topic 3.0.

```
+---+
¦004¦
+---+
```

DID THE DIAGNOSTIC TESTS DETECT A FAILURE?
Yes No
```
 ¦    ¦
 ¦    +---+
 ¦    ¦005¦
 ¦    +---+
 ¦    Go to "In-Use Light Checkout" in topic 2.0.
 ¦
+---+
¦006¦
+---+
```
Follow the instructions on the screen.

2.0 In-Use Light Checkout
1. Load a blank tape cassette (with Write Protect off) into the tape
    drive and close the tape-tray door.
2. Power-off the system.
3. Power-on the system and watch the tape drive In-Use Lights for the
    following responses:
    a. The green and amber lights come on
    b. The amber light goes off.

If the lights did not operate in the proper sequence, continue with
"Symptom-to-FRU Index" in topic 3.0.

3.0 Symptom-to-FRU Index

Error symptoms and the FRUs that might be responsible for the failure are
listed below. The most-likely failing FRU is listed first. If you are
unable to correct the problem using this index, go to "Undetermined
Problems" in the service pamphlet for the system you are servicing.

Note: Supplemental space is available in the system *Hardware Maintenance
Service* pamphlets to add option error code information.

```
+----------------------------------------------------------------------+
¦ Symptom/Error    ¦ FRU/Action                                        ¦
+------------------+---------------------------------------------------¦
¦ 0211XXXX         ¦                                                   ¦
¦                  ¦ Tape Drive                                        ¦
¦                  ¦ SCSI Adapter                                      ¦
¦                  ¦ SCSI Cable                                        ¦
¦                  ¦                                                   ¦
+------------------+---------------------------------------------------¦
¦ The green light  ¦                                                   ¦
¦ fails to come on ¦ Tape Drive                                        ¦
¦                  ¦ SCSI Adapter                                      ¦
¦                  ¦ SCSI Cable                                        ¦
¦                  ¦ Power Cable                                       ¦
¦                  ¦                                                   ¦
+------------------+---------------------------------------------------¦
¦ The amber light  ¦                                                   ¦
¦ remains on       ¦ Tape Drive                                        ¦
¦                  ¦ SCSI Adapter                                      ¦
¦                  ¦ SCSI Cable                                        ¦
¦                  ¦                                                   ¦
+------------------+---------------------------------------------------¦
¦ The tape is      ¦                                                   ¦
¦ automatically    ¦ Tape Cassette                                     ¦
¦ ejected from the ¦ Tape Drive                                        ¦
¦ tape drive       ¦ SCSI Adapter                                      ¦
¦                  ¦ SCSI Cable                                        ¦
¦                  ¦                                                   ¦
+----------------------------------------------------------------------+
```

4.0 Parts Catalog

INDEX REFERENCE NUMBERS: Refer to the illustrations for index reference
numbers listed in the left margin of the parts listing.

5.0 Drive Overview

PICTURE 2

5.0 Drive Overview

PICTURE 2

6.0 Parts

Note: Supplemental space is available in the system *Hardware Maintenance*
       Service pamphlets to add option parts information.

Index	*System Unit*	
1	2.3GB Tape Drive (with rails)	85F0055
2	Rail Kit	34F0041
3	Framing Bezel	64F4138
	Media Kit	59F3563